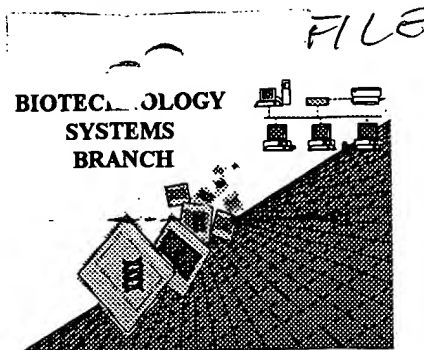


*Caribnow*

**RAW SEQUENCE LISTING**  
**ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/114,844A

Source: 1646

Date Processed by STIC: 9/26/2000

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TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY  
EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER,  
703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW:

**Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:  
<http://www.uspto.gov/web/offices/pac/checker>

C. Kaufman

RECEIVED

OCT 03 2000

1646

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## RAW SEQUENCE LISTING

DATE: 09/26/2000

PATENT APPLICATION: US/09/114,844A

TIME: 17:01:56

Input Set : A:\P1129R1 (REVISED).txt

Output Set: N:\CRF3\09262000\I114844A.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Ashkenazi, Avi J.  
4 Gurney, Austin  
6 <120> TITLE OF INVENTION: RTD Receptor  
8 <130> FILE REFERENCE: P1129R1 (REVISED)  
10 <140> CURRENT APPLICATION NUMBER: US 09/114,844A  
11 <141> CURRENT FILING DATE: 1998-07-14  
13 <150> PRIOR APPLICATION NUMBER: US 60/056,974  
14 <151> PRIOR FILING DATE: 1997-08-26  
16 <160> NUMBER OF SEQ ID NOS: 10  
18 <210> SEQ ID NO: 1  
19 <211> LENGTH: 386  
20 <212> TYPE: PRT  
21 <213> ORGANISM: Homo sapiens  
23 <220> FEATURE:  
24 <221> NAME/KEY: unsure  
25 <222> LOCATION: 310  
26 <223> OTHER INFORMATION: unknown amino acid  
28 <400> SEQUENCE: 1  
29 Met Gly Leu Trp Gly Gln Ser Val Pro Thr Ala Ser Ser Ala Arg  
30 1 5 10 15  
32 Ala Gly Arg Tyr Pro Gly Ala Arg Thr Ala Ser Gly Thr Arg Pro  
33 20 25 30  
35 Trp Leu Leu Asp Pro Lys Ile Leu Lys Phe Val Val Phe Ile Val  
36 35 40 45  
38 Ala Val Leu Leu Pro Val Arg Val Asp Ser Ala Thr Ile Pro Arg  
39 50 55 60  
41 Gln Asp Glu Val Pro Gln Gln Thr Val Ala Pro Gln Gln Gln Arg  
42 65 70 75  
44 Arg Ser Leu Lys Glu Glu Glu Cys Pro Ala Gly Ser His Arg Ser  
45 80 85 90  
47 Glu Tyr Thr Gly Ala Cys Asn Pro Cys Thr Glu Gly Val Asp Tyr  
48 95 100 105  
50 Thr Ile Ala Ser Asn Asn Leu Pro Ser Cys Leu Leu Cys Thr Val  
51 110 115 120  
53 Cys Lys Ser Gly Gln Thr Asn Lys Ser Ser Cys Thr Thr Thr Arg  
54 125 130 135  
56 Asp Thr Val Cys Gln Cys Glu Lys Gly Ser Phe Gln Asp Lys Asn  
57 140 145 150  
59 Ser Pro Glu Met Cys Arg Thr Cys Arg Thr Gly Cys Pro Arg Gly  
60 155 160 165  
62 Met Val Lys Val Ser Asn Cys Thr Pro Arg Ser Asp Ile Lys Cys  
63 170 175 180  
65 Lys Asn Glu Ser Ala Ala Ser Ser Thr Gly Lys Thr Pro Ala Ala  
66 185 190 195  
68 Glu Glu Thr Val Thr Thr Ile Leu Gly Met Leu Ala Ser Pro Tyr  
69 200 205 210  
71 His Tyr Leu Ile Ile Ile Val Val Leu Val Ile Ile Leu Ala Val

ppr 2,4

## RAW SEQUENCE LISTING

DATE: 09/26/2000

PATENT APPLICATION: US/09/114,844A

TIME: 17:01:56

Input Set : A:\P1129R1 (REVISED).txt

Output Set : N:\CRF3\09262000\I114844A.raw

72 215 220 225  
 74 Val Val Val Gly Phe Ser Cys Arg Lys Lys Phe Ile Ser Tyr Leu  
 75 230 235 240  
 77 Lys Gly Ile Cys Ser Gly Gly Gly Gly Gly Pro Glu Arg Val His  
 78 245 250 255  
 80 Arg Val Leu Phe Arg Arg Arg Ser Cys Pro Ser Arg Val Pro Gly  
 81 260 265 270  
 83 Ala Glu Asp Asn Ala Arg Asn Glu Thr Leu Ser Asn Arg Tyr Leu  
 84 275 280 285  
 86 Gln Pro Thr Gln Val Ser Glu Gln Glu Ile Gln Gly Gln Glu Leu  
 87 290 295 300  
 89 Ala Glu Leu Thr Gly Val Thr Val Glu Xaa Pro Glu Glu Pro Gln  
 90 305 310 315  
 92 Arg Leu Leu Glu Gln Ala Glu Ala Glu Gly Cys Gln Arg Arg Arg  
 93 320 325 330  
 95 Leu Leu Val Pro Val Asn Asp Ala Asp Ser Ala Asp Ile Ser Thr  
 96 335 340 345  
 98 Leu Leu Asp Ala Ser Ala Thr Leu Glu Glu Gly His Ala Lys Glu  
 99 350 355 360  
 101 Thr Ile Gln Asp Gln Leu Val Gly Ser Glu Lys Leu Phe Tyr Glu  
 102 365 370 375  
 104 Glu Asp Glu Ala Gly Ser Ala Thr Ser Cys Leu  
 105 380 385  
 107 <210> SEQ ID NO: 2  
 108 <211> LENGTH: 2082  
 109 <212> TYPE: DNA  
 110 <213> ORGANISM: Homo sapiens  
 112 <220> FEATURE:  
 113 <221> NAME/KEY: unsure  
 114 <222> LOCATION: 1085  
 115 <223> OTHER INFORMATION: unknown base  
 117 <400> SEQUENCE: 2  
 118 ccaactgcac ctggttcta tcgattgaat tccccgggga tcctctagag 50  
 120 atccctcgac ctgacccac gcgtccggaa cctttgcacg cgcacaaaact 100  
 122 acggggacga tttctgattg atttttggcg ctttcgatacc accctctctcc 150  
 124 cttctc atg gga ctt tgg gga caa agc gtc ccg acc gcc 189  
 125 Met Gly Leu Trp Gly Gln Ser Val Pro Thr Ala  
 126 1 5 10  
 128 tcg agc gct cga gca ggg cgc tat cca gga gcc agg aca 228  
 129 Ser Ser Ala Arg Ala Gly Arg Tyr Pro Gly Ala Arg Thr  
 130 15 20  
 132 gcg tcg gga acc aga cca tgg ctc ctg gac ccc aag atc 267  
 133 Ala Ser Gly Thr Arg Pro Trp Leu Leu Asp Pro Lys Ile  
 134 25 30 35  
 136 ctt aag ttc gtc gtc ttc atc gtc gcg gtt ctg ctg ccg 306  
 137 Leu Lys Phe Val Val Phe Ile Val Ala Val Leu Leu Pro  
 138 40 45 50  
 140 gtc cgg gtt gac tct gcc acc atc ccc cgg cag gac gaa 345  
 141 Val Arg Val Asp Ser Ala Thr Ile Pro Arg Gln Asp Glu

P4  
 "y" is at location 1085. "Y" can represent either  
 C or T. Use "n" if  
unknown.

## RAW SEQUENCE LISTING

DATE: 09/26/2000

PATENT APPLICATION: US/09/114,844A

TIME: 17:01:56

Input Set : A:\P1129R1 (REVISED).txt

Output Set: N:\CRF3\09262000\I114844A.raw

```

142          55          60
144 gtt ccc cag cag aca gtg gcc cca cag caa cag agg cgc 384
145 Val Pro Gln Gln Thr Val Ala Pro Gln Gln Arg Arg
146      65          70          75
148 agc ctc aag gag gag gag tgt cca gca gga tct cat aga 423
149 Ser Leu Lys Glu Glu Cys Pro Ala Gly Ser His Arg
150          80          85
152 tca gaa tat act gga gcc tgt aac ccg tgc aca gag ggt 462
153 Ser Glu Tyr Thr Gly Ala Cys Asn Pro Cys Thr Glu Gly
154 90          95          100
156 gtg gat tac acc att gct tcc aac aat ttg cct tct tgc 501
157 Val Asp Thr Thr Ile Ala Ser Asn Asn Leu Pro Ser Cys
158      105          110          115
160 ctg cta tgt aca gtt tgt aaa tca ggt caa aca aat aaa 540
161 Leu Leu Cys Thr Val Cys Lys Ser Gly Gln Thr Asn Lys
162          120          125
164 agt tcc tgt acc acg acc aga gac acc gtg tgt cag tgt 579
165 Ser Ser Cys Thr Thr Thr Arg Asp Thr Val Cys Gln Cys
166      130          135          140
168 gaa aaa gga agc ttc cag gat aaa aac tcc cct gag atg 618
169 Glu Lys Gly Ser Phe Gln Asp Lys Asn Ser Pro Glu Met
170          145          150
172 tgc cgg acg tgt aga aca ggg tgt ccc aga ggg atg gtc 657
173 Cys Arg Thr Cys Arg Thr Gly Cys Pro Arg Gly Met Val
174 155          160          165
176 aag gtc agt aat tgt acg ccc cgg agt gac atc aag tgc 696
177 Lys Val Ser Asn Cys Thr Pro Arg Ser Asp Ile Lys Cys
178      170          175          180
180 aaa aat gaa tca gct gcc agt tcc act ggg aaa acc cca 735
181 Lys Asn Glu Ser Ala Ala Ser Ser Thr Gly Lys Thr Pro
182          185          190
184 gca gcg gag gag aca gtg acc acc atc ctg ggg atg ctt 774
185 Ala Ala Glu Glu Thr Val Thr Thr Ile Leu Gly Met Leu
186      195          200          205
188 gcc tct ccc tat cac tac ctt atc atc ata gtg gtt tta 813
189 Ala Ser Pro Tyr His Tyr Leu Ile Ile Ile Val Val Leu
190          210          215
192 gtc atc att tta gct gtg gtt gtg gtt ggc ttt tca tgt 852
193 Val Ile Ile Leu Ala Val Val Val Val Gly Phe Ser Cys
194 220          225          230
196 cgg aag aaa ttc att tct tac ctc aaa ggc atc tgc tca 891
197 Arg Lys Lys Phe Ile Ser Tyr Leu Lys Gly Ile Cys Ser
198      235          240          245
200 ggt ggt gga gga ggt ccc gaa cgt gtg cac aga gtc ctt 930
201 Gly Gly Gly Gly Gly Pro Glu Arg Val His Arg Val Leu
202          250          255
204 ttc cgg cgg cgt tca tgt cct tca cga gtt cct ggg gcg 969
205 Phe Arg Arg Arg Ser Cys Pro Ser Arg Val Pro Gly Ala
206      260          265          270

```

## RAW SEQUENCE LISTING

DATE: 09/26/2000

PATENT APPLICATION: US/09/114,844A

TIME: 17:01:56

Input Set : A:\P1129R1 (REVISED).txt

Output Set: N:\CRF3\09262000\I114844A.raw

208 gag gac aat gcc cgc aac gag acc ctg agt aac aga tac 1008  
 209 Glu Asp Asn Ala Arg Asn Glu Thr Leu Ser Asn Arg Tyr  
 210 275 280  
 212 ttg cag ccc acc cag gtc tct gag cag gaa atc caa ggt 1047  
 213 Leu Gln Pro Thr Gln Val Ser Glu Gln Glu Ile Gln Gly  
 214 285 290 295  
 216 cag gag ctg gca gag cta aca ggt gtg act gta gag tyr 1086  
 217 Gln Glu Leu Ala Glu Leu Thr Gly Val Thr Val Glu Xaa  
 218 300 305 310  
 220 cca gag gag cca cag cgt ctg ctg gaa cag gca gaa gct 1125  
 221 Pro Glu Glu Pro Gln Arg Leu Leu Glu Gln Ala Glu Ala  
 222 315 320  
 224 gaa ggg tgt cag agg agg agg ctg ctg gtt cca gtg aat 1164  
 225 Glu Gly Cys Gln Arg Arg Arg Leu Leu Val Pro Val Asn  
 226 325 330 335  
 228 gac gct gac tcc gct gac atc agc acc ttg ctg gat gcc 1203  
 229 Asp Ala Asp Ser Ala Asp Ile Ser Thr Leu Leu Asp Ala  
 230 340 345  
 232 tcg gca aca ctg gaa gaa gga cat gca aag gaa aca att 1242  
 233 Ser Ala Thr Leu Glu Glu Gly His Ala Lys Glu Thr Ile  
 234 350 355 360  
 236 cag gac caa ctg gtg ggc tcc gaa aag ctc ttt tat gaa 1281  
 237 Gln Asp Gln Leu Val Gly Ser Glu Lys Leu Phe Tyr Glu  
 238 365 370 375  
 240 gaa gat gag gca ggc tct gct acg tcc tgc ctg tgaaag 1320  
 241 Glu Asp Glu Ala Gly Ser Ala Thr Ser Cys Leu  
 W--> 242 380 385 ~~acc~~ *delete - number the amino acids under every 5 amino acids*  
 244 aatctcttca ggaaaccaga gcttccctca tttacctttt ctccacaaa 1370  
 246 ggggaagcagc ctggaagaaa cagtcagta cttgacccat gccccaacaa 1420  
 248 actctactat ccaatatggg gcagcttacc aatgggtccta gaactttgtt 1470  
 250 aacgcacttg gagtaatttt tatgaaatac tgcgtgtgat aagcaaacgg 1520  
 252 gagaaattta tatcagattc ttggctgcat agttatacga ttgtgtatta 1570  
 254 agggctcgttt taggcacat gcgggtggctc atgcctgtaa tcccagcact 1620  
 256 ttgataggct gaggcagggtg gattgcttga gctcgggagt ttgagaccag 1670  
 258 cctcatcaac acagtgaac tccatctcaa tttaaaaaga aaaaaagtgg 1720  
 260 ttttaggatg tcattctttg cagttcttca tcatgagaca agtctttttt 1770  
 262 tctgcttctt atattgcaag ctccatctct actgggtgtgt gcatttaattg 1820  
 264 acatctaact acagatgccg cacagccaca atgctttgcc ttatagtttt 1870  
 266 ttaacttttag aacgggatta tcttggtatt acctgtattt tcagtttcgg 1920  
 268 atatttttga cttaatgatg agattatcaa gacgtacccc tatgctaagt 1970  
 270 catgagcata tggacttacg aggggttcgac ttagagtttt gagctttaag 2020  
 272 ataggattat tgggggctta cccccacctt aattagaaga aacattttat 2070  
 274 attgctttac ta 2082  
 276 <210> SEQ ID NO: 3  
 277 <211> LENGTH: 50  
 278 <212> TYPE: DNA  
 279 <213> ORGANISM: Artificial sequence  
 281 <220> FEATURE:  
 282 <223> OTHER INFORMATION: Sequence is synthesized.

## RAW SEQUENCE LISTING

DATE: 09/26/2000

PATENT APPLICATION: US/09/114,844A

TIME: 17:01:56

Input Set : A:\P1129R1 (REVISED).txt

Output Set: N:\CRF3\09262000\I114844A.raw

```

284 <400> SEQUENCE: 3
285 cataaaagtt cctgcaccat gaccagagac acagtgtgtc agtgtaaaga 50
287 <210> SEQ ID NO: 4
288 <211> LENGTH: 24
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Sequence is synthesized.
295 <400> SEQUENCE: 4
296 cttcaggaaa ccagagcttc cctc 24
298 <210> SEQ ID NO: 5
299 <211> LENGTH: 24
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Sequence is synthesized.
306 <400> SEQUENCE: 5
307 ttctcccggtt tgcttatcac acgc 24
309 <210> SEQ ID NO: 6
310 <211> LENGTH: 191
311 <212> TYPE: PRT
312 <213> ORGANISM: Homo sapiens
314 <400> SEQUENCE: 6
315 Gly Arg Gly Ala Leu Pro Thr Ser Met Gly Gln His Gly Pro Ser
316 1 5 10 15
318 Ala Arg Ala Arg Ala Gly Arg Ala Pro Gly Pro Arg Pro Ala Arg
319 20 25 30
321 Glu Ala Ser Pro Arg Leu Arg Val His Lys Thr Phe Lys Phe Val
322 35 40 45
324 Val Val Gly Val Leu Leu Gln Val Val Pro Ser Ser Ala Ala Thr
325 50 55 60
327 Ile Lys Leu His Asp Gln Ser Ile Gly Thr Gln Gln Trp Glu His
328 65 70 75
330 Ser Pro Leu Gly Glu Leu Cys Pro Pro Gly Ser His Arg Ser Glu
331 80 85 90
333 Arg Pro Gly Ala Cys Asn Arg Cys Thr Glu Gly Val Gly Tyr Thr
334 95 100 105
336 Asn Ala Ser Asn Asn Leu Phe Ala Cys Leu Pro Cys Thr Ala Cys
337 110 115 120
339 Lys Ser Asp Glu Glu Glu Arg Ser Pro Cys Thr Thr Thr Arg Asn
340 125 130 135
342 Thr Ala Cys Gln Cys Lys Pro Gly Thr Phe Arg Asn Asp Asn Ser
343 140 145 150
345 Ala Glu Met Cys Arg Lys Cys Ser Thr Gly Cys Pro Arg Gly Met
346 155 160 165
348 Val Lys Val Lys Asp Cys Thr Pro Trp Ser Asp Ile Glu Cys Val
349 170 175 180
351 His Lys Glu Ser Gly Asn Gly His Asn Ile Trp
352 185 190

```

## VERIFICATION SUMMARY

DATE: 09/26/2000

PATENT APPLICATION: US/09/114,844A

TIME: 17:01:57

Input Set : A:\P1129R1 (REVISED).txt

Output Set: N:\CRF3\09262000\I114844A.raw

L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:242 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2